SD61

Base Station

User's Guide

Intermec®

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Before You Begin

This section provides you with safety information, technical support information, and sources for additional product information.

Safety Information

Your safety is extremely important. Read and follow all warnings and cautions in this document before handling and operating Intermec equipment. You can be seriously injured, and equipment and data can be damaged if you do not follow the safety warnings and cautions.

This section explains how to identify and understand dangers, warnings, cautions, and notes that are in this document. You may also see icons that tell you when to follow ESD procedures and when to take special precautions for handling optical parts.

A warning alerts you of an operating procedure, practice, condition, or statement that must be strictly observed to avoid death or serious injury to the persons working on the equipment.

A caution alerts you to an operating procedure, practice, condition, or statement that must be strictly observed to prevent equipment damage or destruction, or corruption or loss of data.

Note: Notes either provide extra information about a topic or contain special instructions for handling a particular condition or set of circumstances.

Global Services and Support

Warranty Information

To understand the warranty for your Intermec product, visit the Intermec web site at **www.intermec.com** and click **Support** > **Returns and Repairs** > **Warranty**.

Disclaimer of warranties: The sample code included in this document is presented for reference only. The code does not necessarily represent complete, tested programs. The code is provided "as is with all faults." All warranties are expressly disclaimed, including the implied warranties of merchantability and fitness for a particular purpose.

Web Support

Visit the Intermec web site at **www.intermec.com** to download our current manuals (in PDF). To order printed versions of the Intermec manuals, contact your local Intermec representative or distributor.

Visit the Intermec technical knowledge base (Knowledge Central) at **www.intermec.com** and click **Support** > **Knowledge Central** to review technical information or to request technical support for your Intermec product.

Telephone Support

In the U.S.A. and Canada, call **1-800-755-5505**.

Outside the U.S.A. and Canada, contact your local Intermec representative. To search for your local representative, from the Intermec web site, click **About Us** > **Contact Us**.

Service Location Support

For the most current listing of service locations, go to **www.intermec.com** and click **Support** >**Returns and Repairs** > **Repair Locations.**

For technical support in South Korea, use the after service locations listed below:

AWOO Systems
102-1304 SK Ventium
522 Dangjung-dong
Gunpo-si, Gyeonggi-do Korea, South 435-776
Contact: Mr. Sinbum Kang
Telephone: +82-31-436-1191
E-mail: **mjyun@awoo.co.kr**

IN Information System PTD LTD
6th Floor
Daegu Venture Center Bldg 95
Shinchun 3 Dong
Donggu, Daegu City, Korea
E-mail: **jmyou@idif.co.kr** or **korlim@gw.idif.co.kr**

Who Should Read This Manual

This guide is for the person who is responsible for installing, configuring, and maintaining the SD61 Base Station.

This document provides you with information about the features of the SD61, and how to install, configure, operate, maintain, and troubleshoot it.

Related Documents

The Intermec web site at **www.intermec.com** contains our documents (as PDF files) that you can download for free.

To download documents

1. Visit the Intermec web site at **www.intermec.com**.
2. Click **Support** > **Manuals**.
3. In the **Select a Product** field, choose the product whose documentation you want to download.

To order printed versions of the Intermec manuals, contact your local Intermec representative or distributor.

Patent Information

This product is covered by one or more patents. There may be other U.S. and foreign patents pending.

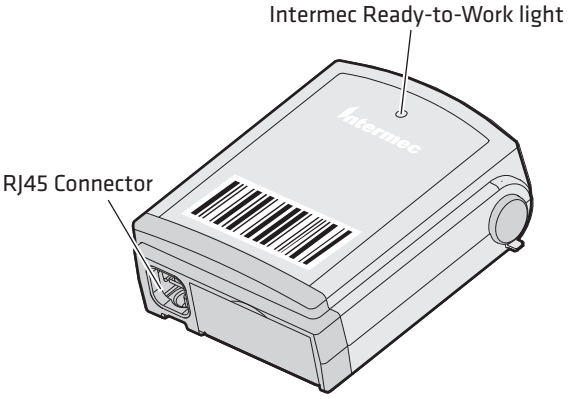
1 Learning About the SD61

Use this chapter to familiarize yourself with the SD61 Base Station. This chapter covers these topics:

- Introducing the SD61 Base Station
- How to Turn On the SD61
- How to Connect an Intermec Scanner to the SD61
- Understanding the Light
- Understanding the Beeps

Introducing the SD61 Base Station

The SD61 Base Station is used to connect up to seven Intermec cordless Bluetooth™ scanners to a non-Bluetooth host device. Data is transmitted from the scanner to the host via the SD61 Base Station.



SD61 Base Station

How to Turn On the SD61

The SD61 is powered through the cable connected to a host device. Depending on which cable you are using, power comes from either the host device or the external power supply. See **"Connecting the SD61 to a Host" on page 5** for details on Connections.

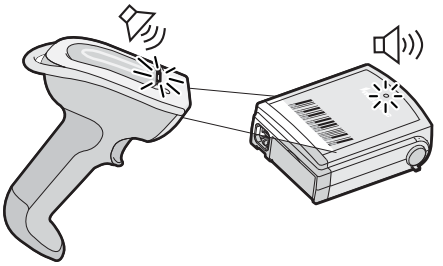
How to Connect an Intermec Scanner to the SD61

You can connect up to seven Intermec Bluetooth scanners to the SD61 Base Station.

To connect up to 7 scanners

1 Connect the SD61 base station to a host device using the correct cable for your interface (see **"Connecting the SD61 to a Host" on page 5**).

2 With an Intermec Bluetooth scanner, scan the association bar code on the top of the SD61 Base Station.



The scanner beeps once, the green status light flashes once and the blue Intermec Ready-to-Work indicator starts blinking. When the scanner connects to the base station it emits a series of beeps from low to high. The blue Intermec Ready-to-Work indicator turns on and stays on for both the scanner and base station.

3 To add more scanners, repeat steps 1 and 2.

Note: If you cannot read the association bar code located on the top of the SD61 Base Station, see **"Problems and Possible Solutions" on page 24**.

If the Bluetooth connection is lost (out of range, scanner battery too low, etc.) the scanner and base station will automatically try to reconnect once the problem is resolved (back in to range, recharge scanner battery, etc.).

Understanding the Light

The SD61 has a blue Intermec Ready-to-Work™ light located on top of the base station. This light is used to indicate the status of the Bluetooth connection.

Blue Intermec Ready-to-Work Indicator Description

Light State	What It Means
Two flashes then off	Power-up

Blue Intermec Ready-to-Work Indicator Description

Light State	What It Means
On	A Bluetooth connection has been established with one or more scanners. The SD61 is ready to receive data from the scanner(s).
One blink	Data has been successfully transmitted to the host.
Off	A Bluetooth connection has not been established.

Understanding the Beeps

The SD61 beeps to give you audio feedback when performing some functions. For example, you hear a beep each time a connected scanner scans a valid bar code.

Beep Sequence	What It Means
Two beeps	Power-up
Single high beep	Data has been successfully transmitted to the host.
Series of beeps	Indicates firmware version. See **"To get the firmware version and Bluetooth address" on page 22**.

Note: You can change the beep volume, tone, or turn it off if necessary. See EasySet version 5.6.2.0 or later for beeper configuration options.

2 Connecting the SD61 to a Host

The SD61 Base Station is connected to a host device using a different cable depending on the interface for your application. Use this chapter to understand how to connect each type of cable and configure the SD61 to communicate with your application if necessary. This chapter includes:

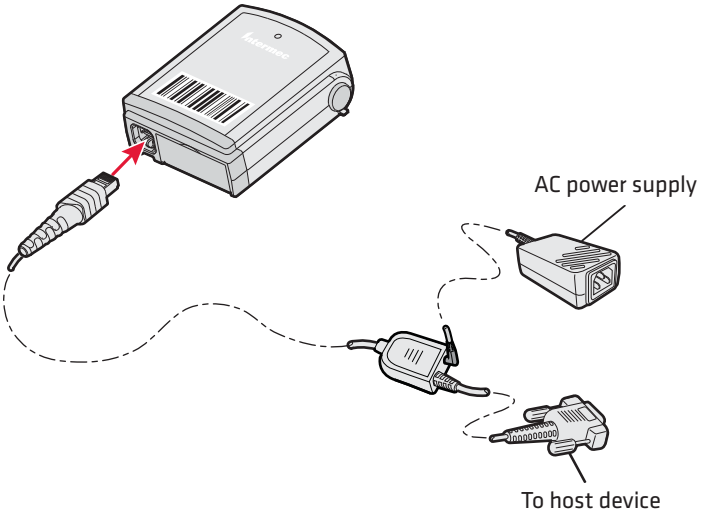
- RS-232 Cable Connection
- USB/Keyboard Wedge Y-Cable Connections
- Wand Emulation Cable Connection
- Removing a Cable

RS-232 Cable Connection

Connect the SD61 to the host using the powered RS-232 cable which requires an exernal Intermec power supply.

To connect with an RS-232 cable

1. Make sure you have the powered RS-232 cable (P/N 236-161-xxx).
2. Turn on your host device.
3. Connect the cable to your SD61 and host device.



4. Connect the power supply (P/N 851-089-105) to the RS-232 cable and an AC power outlet.

   The SD61 is successfully connected and power is on when it emits two beeps and two light flashes.

5. If necessary, configure your SD61 serial parameters to match the host device.

   The default serial parameters for the SD61 are:

   Baud Rate: 19200
   Data Bits: 8
   Parity: none
   Stop Bits: 1

RS-232 Configuration Bar Codes

Configure your SD61 serial parameters to match the host if necessary. This section contains bar codes for basic serial parameters. To configure additional serial parameters, see EasySet 5.6.2.0 or later.

You must have at least one Intermec Bluetooth scanner connected to the SD61 Base Station to scan the configuration bar codes in this section. See **"How to Connect an Intermec Scanner to the SD61" on page 2** for more info.

Note: By default, RTS/CTS hardware protocol is disabled. To enable this parameter, use EasySet 5.6.2.0 or later. RTS/CTS hardware protocol operates only in one direction. The SD61 requests permission from the host to transmit and monitors host transmissions.

* = Default

Baud Rate

19200 (*)

38400

57600

115200

Data Bits

7

8 (*)

Parity

None (*)

Even

Odd

Stop Bits

1 (*)

2

USB/Keyboard Wedge Y-Cable Connections

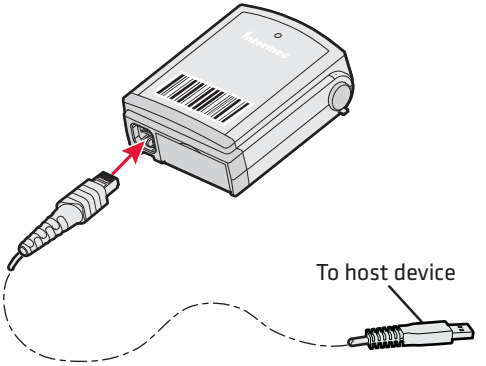
This section provides information on cable connections for both USB cables and Keyboard Wedge Y-cables. Each cable connection is explained separately however the configuration bar codes provided at the end of this section apply to both types of cables.

USB Cable Connection

Connect the SD61 to a host using a USB cable.

To connect with a USB cable

1. Make sure that you have the USB cable (P/N 236-164-xxx).
2. Turn on your host device.
3. Connect the cable to your SD61 and host device.



The SD61 is successfully connected and power is on when it emits two beeps and two light flashes.

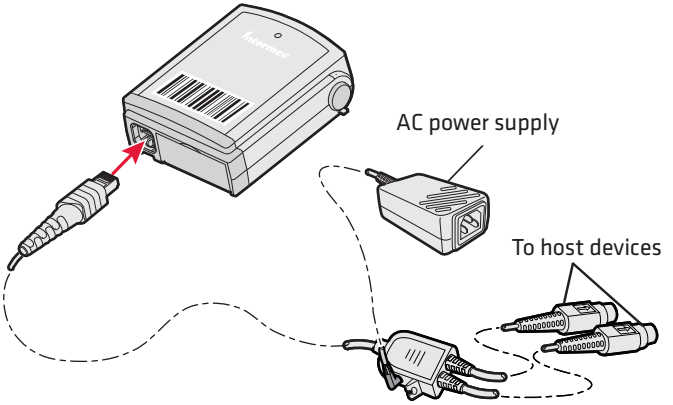
4. If necessary, configure your SD61 for an International keyboard (see **"USB/Keyboard Wedge Y-Cable Configuration Bar Codes" on page 10**).

Keyboard Wedge Y-Cable Connection

Connect the SD61 to a host using the keyboard wedge Y-cable. Depending on your host, this cable may need an external Intermec power supply.

To connect with a keyboard wedge Y-cable

1. Make sure that you have the keyboard wedge cable Y-cable (P/N 236-204-xxx) and optional power supply(P/N 851-089-105).
2. Turn off your host device.
3. Connect the cable to your SD61 and host devices.



4. Connect the power supply (if necessary) to the keyboard wedge Y-cable and an AC power outlet.
5. Turn on your host device.

   The SD61 is successfully connected and power is on when it emits two beeps and two light flashes.
6. If necessary, configure your SD61 for an International keyboard.

USB/Keyboard Wedge Y-Cable Configuration Bar Codes

Configure your USB/Keyboard Wedge Y-cable for an international keyboard if necessary. This section contains bar codes for a basic setup. To configure additional parameters, see EasySet 5.6.2.0 or later.

You must have at least one Intermec Bluetooth scanner connected to the SD61 Base Station to scan the configuration bar codes in this section. See **"How to Connect an Intermec Scanner to the SD61" on page 2** for more info.

* = Default

International Keyboard

North America (*)

French Windows

French Canadian Windows 95/98

French Canadian Windows XP/2000

German Windows

Spanish Windows

Italian Windows

Swedish Windows

UK English Windows

Japanese Windows

Brazilian Portuguese Windows

IBM/NCR Terminals

Czech Republic

Slovakia

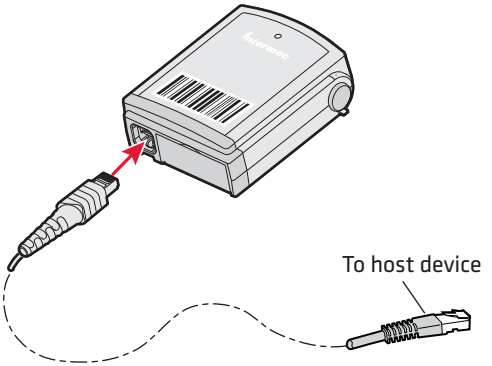
Hungarian 101-Key

Wand Emulation Cable Connection

Connect the SD61 to a host using the wand emulation cable.

To connect a wand emulation cable

1. Make sure that you have the wand emulation cable (P/N 236-163-xxx).
2. Turn off your host device.
3. Connect the cable to your SD61 and host device.



4. Turn on your host device.

   The SD61 is successfully connected and power is on when it emits two beeps and two light flashes.

Wand Emulation Configuration Bar Codes

Configure your SD61 wand emulation parameters if necessary. This section contains bar codes for a basic setup. To configure additional wand emulation parameters, see EasySet 5.6.2.0 or later.

You must have at least one Intermec Bluetooth scanner connected to the SD61 Base Station to scan the configuration bar codes in this section. See **"How to Connect an Intermec Scanner to the SD61" on page 2** for more info.

* = Default

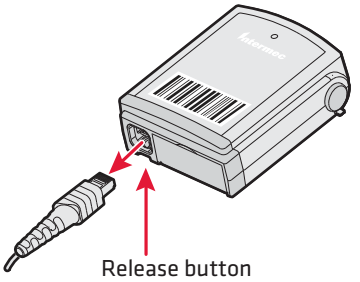
Logic Level During Transmission

Logic level during transmission bar = 0, space = 1

Logic level during transmission bar = 1, space = 0

Removing a Cable

Remove the cable by pressing the release button located on the SD61 Base Station under the RJ45 Connector. Press the button firmly. When the button is pushed correctly the cable is easily removed.



Removing a Cable: *Press the release button firmly and gently pull out the cable.*

3 Configuring the SD61 and Connected Scanner(s)

This chapter provides information on how to configure the SD61 Base Station and the connected scanner(s) using the EasySet configuration application. The chapter includes:

- Using EasySet Configuration Software
- How to Configure the SD61
- How to Configure a Connected Scanner

Using EasySet Configuration Software

EasySet is an Intermec configuration application that provides you with two ways to configure the SD61 Base Station and scanner(s).

- Using online setup to send configuration commands from EasySet directly to the product.
- Using offline setup to send configuration commands to a bar code setup sheet, print the setup sheet and use a connected scanner to scan the bar codes.

EasySet is available on the Intermec website at **www.intermec.com/EasySet.** Simply download and install.

How to Configure the SD61

Use this section to configure the SD61 Base Station parameters.

Online Setup with EasySet

Online setup with EasySet is only available if you are using an RS-232 or USB generic HID connection.

To configure the SD61 online by sending commands from EasySet

1. Connect the SD61 to a host PC using an RS-232 or USB generic HID connection and set connection parameters.
2. Start EasySet. The first time you start EasySet, the Select product dialog box appears.

   If the Select product dialog box does not appear, choose **Product > Select.**
3. Select your product.
4. Select **Communication > Select Communication Interface.** The Communication Interface dialog box appears.
5. Select the communication interface that you are using for your SD61 and click **OK**.

   EasySet connects to your SD61 and retrieves the current configuration. These configurations are indicated with a blue check mark or blue text.

6 Open the folders to find the configuration commands needed. Double click each command to send it to the SD61.

Note: The SD61 does not beep when you send configuration commands online from EasySet.

Offline Setup with EasySet

To perform offline setup you must have at least one Intermec Bluetooth scanner connected to the SD61 Base Station (see **"How to Connect an Intermec Scanner to the SD61" on page 2**). The scanner reads the configuration bar code and sends it to the base station to be processed.

To configure the SD61 offline by scanning bar codes

1 Start EasySet. The first time you start EasySet, the Select product dialog box appears.

If the Select product dialog box does not appear, choose **Product > Select.**

2 Select your product.

3 Open the folders to find the configuration commands needed. Double-click each command or click the green arrow to the right of the product icon to send each command to the setup sheet.

4 Print out the setup sheet and scan the commands.

How to Configure a Connected Scanner

You can also configure your Intermec Bluetooth scanner online via the SD61 Base Station or offline with EasySet.

Online Setup with EasySet

Send configuration commands directly to your scanner via the SD61 Base Station. Online setup via the base station is only available if your scanner has established a Bluetooth connection with the base station.

Note: If you have several scanners connected, the configuration commands sent online via the base station are sent to the last scanner that communicated with the base station.

To configure a scanner online by sending commands from EasySet

1. Connect the SD61 to a host PC using an RS-232 or USB generic HID connection and set connection parameters.
2. Establish a Bluetooth connection between the scanner and the SD61 Base Station (see **"How to Connect an Intermec Scanner to the SD61" on page 2**).
3. Start EasySet. The first time you start EasySet, the Select product dialog box appears.

   If the Select product dialog box does not appear, choose **Product > Select.**
4. Select your product.
5. Select **Communication > Select Communication Interface.** The Communication Interface dialog box appears.
6. Select the communication interface that you are using for your SD61 and click **OK**.

   EasySet connects to your SD61 and retrieves the current configuration of the base station and connected scanner. These configurations are indicated with blue text.
7. Open the folders to find the configuration commands for the scanner. Double click each command to send it to the scanner via the SD61 Base Station.

Offline Setup with EasySet

It is not necessary for the scanner to be connected to the base station for offline setup.

To configure a scanner offline by scanning bar codes

1. Start EasySet. The first time you start EasySet, the Select product dialog box appears.

   If the Select product dialog box does not appear, choose **Product > Select.**

2. Select your product.
3. Open the folders to find the configuration commands needed. Double-click each command or click the green arrow to the right of the product icon to send each command to the setup sheet.
4. Print out the setup sheet and scan the commands.

Note: For full details on setting up your scanner, refer to the documentation for your specific product.

4 Troubleshooting and Maintaining the SD61

Use this chapter to solve problems you may have while using the SD61. This chapter contains these topics:

- Troubleshooting the SD61
- Maintaining the SD61

Troubleshooting the SD61

If you have problems using the SD61, use this chapter to find a possible solution.

Calling Product Support

To talk to an Intermec Product Support representative:

- In the U.S.A. and Canada, call **1-800-755-5505**
- Outside the U.S.A. and Canada, contact your local Intermec representative. For help, go to **www.intermec.com** > **About Us** > **Contact Us**.

Before you call Intermec Product Support, make sure you have the following information:

- SD61 firmware version
- SD61 Bluetooth address

To get the firmware version and Bluetooth address

1. You must have at least one Intermec Bluetooth scanner connected to the SD61 Base Station.
2. Run an application that can accept bar code information from the SD61 Base Station:
   - If you are using a USB or Keyboard wedge cable, use Microsoft® Notepad.
   - If you are using an RS-232 cable, use the EasySet ISCP Terminal Window. For help, see the EasySet software.
3. Scan one of these bar codes

   Get Firmware Version

Get Bluetooth address

When you scan the "Get Firmware Version" configuration bar code, in addtion to displaying the firmware version on the screen, the SD61 Base Station emits a series of beeps. The beeps indicate the 3 digit firmware version. The beeps are counted as follows:

- series of beeps = a number (1 beep=0, 2 beeps=1, etc.)
- one long beep = space between digits

Example: Firmware version 104

1	Space	0	Space	4
2 beeps	1 long beep	1 beep	1 long beep	5 beeps

Note: If you do not have at least one Intermec Bluetooth scanner connected to the SD61, you can get the firmware version and Bluetooth address by using EasySet online setup (only available with an RS-232 and USB generic HID connections). For more information, see the EasySet software.

Problems and Possible Solutions

Use this section to find possible solutions to problems you may have.

Problem	Possible Solution
The SD61 does not turn on.	The SD61 is not receiving power. Make sure you are using the correct cable and power supply (if necessary). When the SD61 is powered-up it emits two beeps and two light flashes.
You cannot establish a Bluetooth connection (the blue Intermec Ready-to-Work indicator is not on).	Restart the SD61 by disconnecting and reconnecting the power supply. You can also reset the factory defaults of both the SD61 and your scanner (to reset your scanner, see your scanner's documentation).
The SD61 cannot communicate with the host.	Make sure the cables are connected between the SD61 and the host. Make sure the SD61 is configured correctly for the interface you are using. For help see **"Connecting the SD61 to a Host" on page 5**.
You scan a data bar code but the SD61 does not beep and the light does not flash.	The data may still be in the process of being sent to the host. Data transmission may be slow if there is interference with Bluetooth communications or if the scanner is too far from the SD61 Base Station. Check the blue Ready-to-Work light to be sure that the scanner is connected to the SD61.
The association bar code located on the SD61 is damaged or missing and cannot be read by the scanner	Use the EasySet software to create a new association bar code (see EasySet for help). You need the SD61 Bluetooth address to create this bar code (see **"To get the firmware version and Bluetooth address" on page 22**).

Resetting Factory Defaults

If your SD61 does not transmit data or connect to a scanner, you can reset the factory defaults. There are two ways to reset the factory defaults of your SD61 Base Station:

- By reading the reset factory defaults configuration bar code
- By using the push button on the SD61

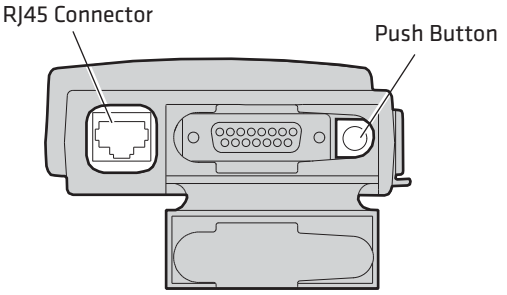
Reading the Reset Configuration Bar Code

To reset the SD61 factory defaults by reading the configuration bar code you must have at least one scanner connected to the base station.

Reset Factory Defaults

Using the Push Button to Reset the SD61

If you do not have at least one scanner connected to the SD61, you can reset the factory defaults by pressing the push button located inside the front cover of the SD61.



Push button location

To reset factory defaults with the push button

1. Push the button and hold it down for 20 seconds.

   The blue Intermec Ready-to-Work light flashes quickly, then slowly and then stays on.

2. Release the push button.

   If there are scanners that are connected, the SD61 disconnects the scanners, resets the factory defaults and then restarts. Scanners that were connected will try to reestablish a Bluetooth connection with the SD61 after it restarts.

Note: You can also reset the SD61 factory defaults by using online setup with EasySet. See the EasySet software for more information.

Maintaining the SD61

To keep your SD61 in good working order, you may need to upgrade the SD61 firmware.

Upgrading the SD61

When you upgrade your SD61 the current settings are erased and replaced with the default settings. After upgrading you will have to reestablish Bluetooth communications between the scanner(s) and the SD61 Base Station.

To upgrade the SD61 firmware, you need these items:

- a powered RS-232 cable and external power supply (see **"RS-232 Cable Connection" on page 6**).
- a PC running Microsoft® Windows® XP with SP2 or Microsoft Windows 2000.
- EasySet version 5.6.2.0 or later.
- the firmware upgrade file (.bin)

To upgrade the SD61 firmware

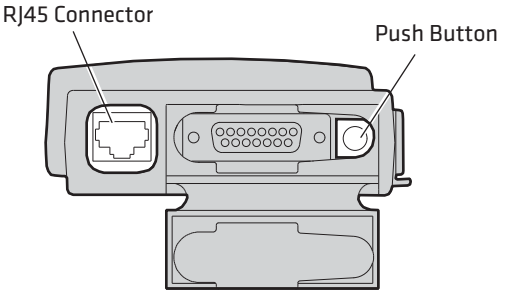
1. Download the latest SD61 firmware file (.bin) from the Intermec web site at **www.intermec.com**.
   a. Go to **Support > Downloads**.
   b. In the drop-down lists used to locate a product, choose **Bar Code Scanners, Rugged, SD61 Base Station.**
   c. Click the link to download the firmware upgrade file and save it to your PC.
2. Connect your SD61 to a host PC with the RS-232 cable (see **"RS-232 Cable Connection" on page 6**).
3. Start EasySet version 5.6.2.0 or later.

4 Initialize firmware download mode by doing one of the following:

- scanning the firmware upgrade bar code with a connected scanner

  Firmware upgrade with an RS-232 cable

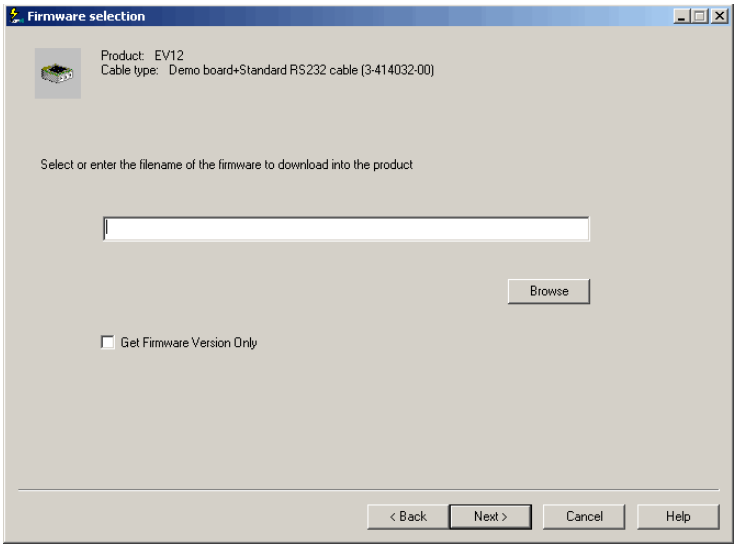
- Using the push button: Disconnect the power supply (SD61 is off), hold the push button down while reconnecting the power supply to turn the SD61 on. Release the push button.



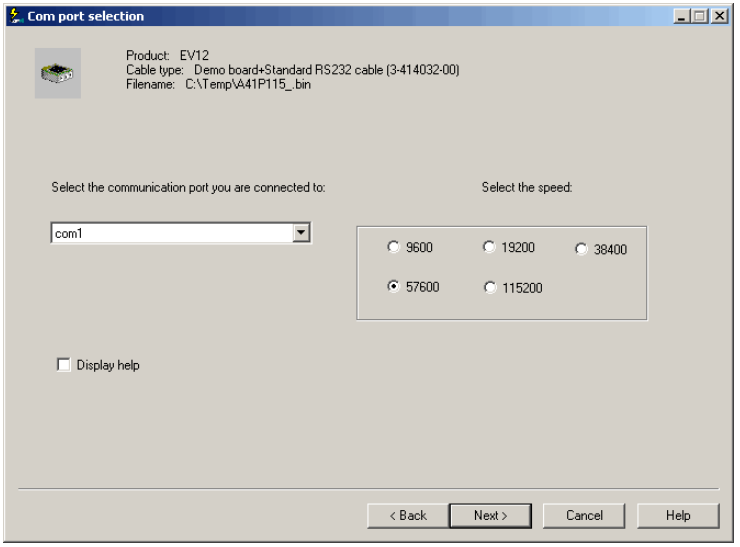
5 From the **Tools** menu, select **Upgrade product firmware**.

If WinFlash is not already installed you will be asked to install it. Click **Yes** and following the installation instructions. After installing Winflash, start WinFlash from the **Tools** menu, select **Upgrade product firmware.**

6 Use **Browse** to browse to the location of the firmware upgrade file (.bin), select the file, and click **Open**.



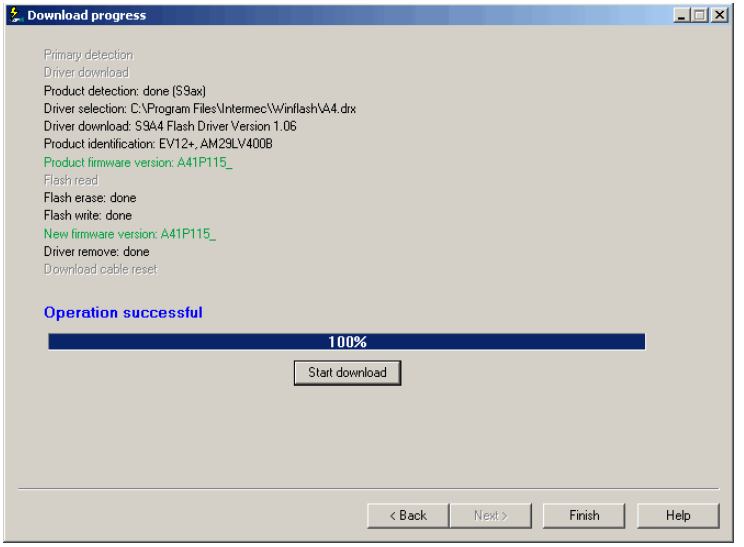
7 Click **Next**. The Com port selection window appears.



8 Select the COM port the SD61 is connected to, select a baud rate, and deselect the **Display help** check box.

9 Click **Next**. The Download progress window appears.

10 Click **Start download**. When the firmware download is complete, the "Operation successful" message appears.



11 Click **Finish**. You have successfully upgraded your SD61 firmware.

Note: If the firmware download is not successful, you must restart the firmware download procedure and use the push button only (step 4) to initialize download mode. The push button is the only way to recover the base station.

A Specifications and Command Set

This appendix contains the technical specification and the supported command set with the default values.

Specifications

Physical Dimensions

Height:	36 mm (1.4 in)
Width:	102 mm (4.0 in)
Depth:	115 mm (4.5 in)
Weight:	< 150 g

Electrical Specifications

Operating voltage:	nominal 5V +/- 10%
Operating current:	75mA

Interface

RS-232, USB (generic HID and Keyboard HID), Keyboard Wedge, Wand Emulation.

Temperature and Environmental Specifications

Operating temperature:	-20° C (-4° F) to 60° C (140° F)
Storage temperature:	-40° C (-40° F) to 70° C (158° F)
Relative humidity: 96 hrs	95% @ 45° C/113° F (non-condensing)
Drop Shock:	26 drops from 1.2 m (3.9 ft.) on concrete
Vibrations:	8G, from 10Hz to 500Hz, 2hr/axis, 3 axis

Bluetooth Radio

Radio type:	Bluetooth Class 1 version 2.0
Frequency:	2400 - 2483.5 MHz
Communication range:	100 meters (328 feet)
Bluetooth connections:	Maximum 7 scanner connections

SD61 Command Set

The following tables list the commands supported by the SD61 Base Station and their default values (where applicable).

For detailed command descriptions, see the EasySet online help. The latest version of EasySet is available at no charge from the Intermec website at **www.intermec.come/EasySet**.

The commands are grouped by function and reflect the organization of EasySet.

Reset All Parameters

Command	Default Value
Reset factory defaults	—

RS-232 Parameters

Command	Default Value
Baud rate	19200
RTS/CTS hardware protocol	Disabled
Data bits	8 bits
Parity	None
Stop bits	1
ENQ	Disabled
ENQ character	<ENQ> (0x05)
ACK	Disabled
ACK character	<ACK> (0x06)
NACK	Disabled
NACK character	<NAK> (0x15)
XON/XOFF software protocol	Disabled
LRC (Longitudinal Redundancy Check)	Disabled
Hardware/software protocols timeout (ms)	1000

USB Parameters

Command	Default Value
USB cable mode	Generic HID

International Keyboard Parameters

Command	Default Value
International keyboard	North America

Wand Emulation Parameters

Command	Default Value
Logical level during transmission	Bar = 0, Space = 1
Logical level outside transmission	Quiet zone = 1
Pulse duration	30 ???

ISCP Parameters

Command	Default Value
ISCP protocol	Disabled
Data format	Raw data
Start up event	Disabled
Bar code data format	BCD/BCDEX2

Data Transmission Parameters

Command	Default Value
DBP transmission format	Code 128
Inter-character delay (ms)	0
Inter-message delay (ms)	0

Data Transmission Parameters (continued)

Command	Default Value
Preamble	None
Postamble	<CR> <LF>

Beeps / LED Indicator

Command	Default Value
Power-up beeps	Enabled
Good read beep - number	1 beep
Good read events timing	Before transmission
Error beep	Enabled
Setup beep	Enabled
Beep volume	Medium
Beep frequency	2090 Hz
Good read beep duration (ms)	80 ms
Green LED duration (ms)	80 ms

Configuration Modes and Utilities

Command	Default Value
Get firmware version	—
Flash memory upgrade	—
Get Bluetooth device address	—
Get sub-system version	—

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